

REMARKS

Claims 1 - 29 were submitted for examination. In this Office Action, Claims 1-3, 5-9, 12-13 and 16 are allowed, claims 11, 10 14-15, 17-22, 27-29 are rejected under 35 USC 112, and claim 23 is rejected under 35 USC(a) as being unpatentable over Sander et al (US Pat. App. Pub. No.: 20040208157, hereinafter "Sander") in view of US Pat. No.: 5,661,425, hereinafter "Minoda".

The Examiner is appreciated for the thoughtful examination and comments in the Office Action. In the foregoing amendments, the Applicant has amended FIG. 1 – FIG. 4 and Claims 1, 10-12, 14, 21, 23 and 27-29 to correct some informalities, many of which are pointed out by the Examiner. In particular, Claims 27 and 28 are amended to distinguish between a modulator and a controller. To facilitate the understanding of Claim 28, FIG. 5 is also amended to graphically show "controller". The Applicant submits that no new matters have been added. Accordingly, the Applicant believes that the rejections under 35 USC 112 have been overcome. Reconsideration of the claim objections is respectfully requested.

Claim 23 is also amended to include a limitation of "the baseband amplitude signal and the phase signal have been decomposed in terms of polar coordinates". Neither Sander nor Minoda, viewed alone or in combination, has taught or suggested such a limitation. Reconsideration of claim 23 is respectfully requested.

In view of the above amendments and remarks, the Applicant believes that Claims 1 - 29 shall be in condition for allowance over the cited references. Early and favorable action is being respectfully solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplementary Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned at (408)777-8873.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to "Commissioner of Patents and Trademarks, Washington, DC 20231", on January 17, 2007.

e-filed

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Respectfully submitted;

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